

In re Patent Application of:  
ISAKSSON ET AL.  
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waves whose identity is known to said first and second transceivers; and

after start-up, changing said control channel from said predetermined channel to a further channel, selected by said first transceiver on the basis of channel characteristics such as ~~SNR~~.

18. (Currently amended) A method, as claimed in claim 17, characterised by:

initiating decisions, relating to changes in bit loading and control channel selection, in said first transceiver and transmitting command signals over said control channel;

~~said second transceiver~~ effecting changes in bit loading and control channel carrier wave selection in said second transceiver; and

in said second transceiver, measuring changes in channel characteristics and forwarding data relating thereto over said control channel to said first transceiver.

19. (Previously amended) A method, as claimed in claim 17, characterised in that said multi-carrier transmission system is a DMT transmission system.

20. (Currently amended) A method, as claimed in ~~either~~ claim 17, characterised in that said multi-carrier transmission system is a DMT-based VDSL system.

21. (Currently amended) A method, as claimed in